

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE PRODUCT AND COMPANY / FIRM

Identification of the Product: Fiber Cement Flat Sheets

- **Trade name:** KØL High-Density Fiber Cement
- **Identified intended uses of the substance or mixture:** fiber cement sheets used for interior and exterior wall cladding.
- **Use of the substance/of the compound:** cladding sheets
- **Manufacturer/Supplier:**

KØL USA LLC
528 Braddock Ave
Turtle Creek, PA 15104
info@kolfacade.com

- **Information supplied by:** Safety Office and Technical Directorate

2. IDENTIFICATION OF HAZARDS

The product in itself does not constitute any health hazard.

If it is worked with high-speed tools, it can release dust

Inhalation of this dust can cause respiratory system ailments. Dust containing quartz, in particular fine dust particles, in high concentrations or for prolonged periods of time can lead to lung diseases (silicosis) and an increased risk of lung cancer.

Prolonged skin contact may cause skin irritation to sensitive people.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a product, not a substance or a preparation.

The main components making up the product are:

Cement (30-50%), quartz (30-40%), cellulose (8-12%),
Wollastonite (long fiber) (3-8%), water (<10%), Coloring pastes (3-6%),
impregnating agent (<1%), transparent intermediate (<1%), transparent finish (<1%)

4. FIRST AID PROCEDURES

None: the product has no odor, it does not irritate skin when touching it, it does not emit vapors nor does it release fibers appreciably; due to its solid and cementitious quality, it is not possible to ingest it or to inhale it.

4.1. FIRST AID PROCEDURES, IN CASE OF FORMATION OF DUST, DUE TO HIGHSPEED TOOL WORKING AND ENSUING RELEASE OF DUST:

Eye exposure: Rinse eyes with plenty of water; if irritation persists, seek medical advice.

Inhalation: It is advisable to bring the exposed person into the open air.

Ingestion: No first aid procedures required.

Skin contact: No first aid procedures required.

4.2. MAIN SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No acute or delayed symptoms to be pointed out.

4.3. INDICATION OF ANY POSSIBLE NEED FOR IMMEDIATE MEDICAL ADVICE OR FOR SPECIFIC TREATMENTS:

No specific actions required.

5. FIRE PRECAUTIONS

None: the product is neither flammable or combustible

5.1. EXTINGUISHING MEDIA:

No specific extinguishing media required.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Not combustible. No hazardous thermal decomposition.

5.3. ADVICE FOR FIRE-FIGHTERS:

No special fire protection equipment required.

6. ACCIDENTAL RELEASE MEASURES

None: the product is solid and can remain unpacked for an indefinite period of time without any release of any substance.

ACCIDENTAL RELEASE MEASURES IN CASE OF DUST FORMATION DUE TO HIGH-SPEED TOOL WORKING AND ENSUING RELEASE OF DUST:

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENTS AND EMERGENCY PROCEDURES:

Avoid generating dispersed dust in the air. Wear personal protection equipment in compliance with the local legislation

6.2. ENVIRONMENTAL PRECAUTIONS:

No special requirement.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Avoid dry sweeping and use of industrial vacuum cleaners or spray washing devices to avoid generating dispersed dust in the air. Wear personal protection equipment in compliance with local legislation.

6.4. REFERENCE TO OTHER SECTIONS:

See sections 8-13

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Avoid generating dispersed dust in the air. In case of high-speed tool working provision should be made for a suitable ventilation in the areas where dispersed dust in the air is generated. In case of insufficient ventilation, wear suitable equipment for the protection of the respiratory system.

7.2 PRECAUTIONS FOR SAFE HANDLING:

If the products (sheets) are handled individually, use protective gloves and safety shoes to avoid crushing, cuts and abrasions to limbs. If the sheets are handled in packages, use the standard safety precautions for the mechanical handling of loads.

- Conditions for safe storage, and possible incompatibilities: //
- Storage: The product must be stored in a covered space and in the original packaging until use.
- Warehouse requirements: Store in a dry and covered space.
- Directions for mixed storage: //
- Further directions relevant to storage conditions: Must be stored on stable and level surface. In case of storage of stacked crates, ensure they are secure and stable
- Specific end uses: no further information available.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

The product does not release any emission, and thus it does not require any personal protections except the safety precautions as per section 7.

In case of dust due to high-speed tool working and ensuing release of dust:

Comply with the exposure limits under law in workplaces for any kind of dust dispersed in the air (e.g. total dust, inhalable dust, inhalable crystalline silicon dust).

The occupational exposure limit (OEL)

Inhalable dust 10 mg / m³

Respirable dust 3 mg / m³

Respirable crystalline silicon dust is 0.025 mg / m³ Measured as TWA (Time Weighted Average, time-weighted average concentration) over 8 hours.

Check the latest occupational exposure limits for airborne contaminants applicable in your country.

As to the equivalent limits in other Countries, resort to a qualified occupational hygienist or to the relevant public authority.

Respiratory protection: use respiratory masks whenever you expect to exceed occupational exposure levels for dust.

Eye protection: use safety glasses whenever tools are used and dust or debris is produced.

Skin protection: use work clothes, safety shoes and gloves to protect yourself from mechanical injuries and direct contact with the skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information about the product's basic physical and chemical properties:

Specific weight: $\geq 1,60$ kg/dm³

Water absorption: ≤ 9 %

Reaction-to-fire performance: CAN/ULC S114, ASTM E136 (non-combustible)

Appearance: solid

Odor: odorless

Odor threshold: not applicable

Flash point: non-flammable product

Upper / Lower flammability or explosive limits: non-flammable and non-explosive product

Vapor pressure: not applicable

Water solubility: negligible

Auto-ignition temperature: not applicable

Decomposition temperature: not applicable

Viscosity: not applicable

Explosive properties: non-explosive product

Oxidizing properties: not applicable

10. STABILITY AND REACTIVITY

Stable under standard conditions of use, insoluble in water and solvents, attacked by acid substances.

10.1. REACTIVITY

Inert, non-reactive

10.2. CHEMICAL STABILITY

Chemically stable

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No hazardous reaction

10.4. CONDITIONS TO BE AVOIDED

Not applicable

10.5. INCOMPATIBLE MATERIALS

No particular incompatibility

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Not applicable

11. TOXICOLOGICAL INFORMATION

The product in itself is not health hazardous in any way.

If it is worked with high-speed tools, it can release dust whose inhalation may cause respiratory system ailments.

12. ECOLOGICAL INFORMATION

Use the product for the intended uses and do not release any unused product to the environment.

12.1. TOXICITY

Not applicable

12.2. PERSISTENCE AND DEGRADABILITY

Not applicable

12.3. BIOACCUMULATIVE POTENTIAL

Not applicable

12.4. MOBILITY IN THE SOIL

Negligible

12.5. ADDITIONAL ADVERSE EFFECTS

No known specific adverse effects

13. DISPOSAL CONSIDERATIONS

Whenever practicable, recycling is preferable to disposal. The product can be disposed of in accordance with local regulations. The wastes from the use of this product are classified by C.E.R. (17.01.01) as "non-hazardous waste".

14. TRANSPORT INFORMATION

No necessary precaution as the product is not hazardous.

14.1. UN NUMBER: Not applicable.

14.2. UN PROPER SHIPPING NAME: Not applicable.

14.3. TRANSPORT HAZARD CLASSES:

ADR: not classified

IMDG: not classified

ICAO / IATA: not classified

RID: not classified

14.4. PACKING GROUP: not applicable

14.5. ENVIRONMENTAL HAZARDS: not applicable

14.6. SPECIAL PRECAUTIONS FOR USERS:

The transport must be carried out in a covered vehicle.